



5TH CATEGORY - HISTORIC RACING  
**GROUP Nc**  
 APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a Historic Logbook, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current Motorsport Australia Manual.

<b>Make of Car:</b>	Datsun	<b>Model:</b>	P510 (1600 & 1600 SSS)
<b>Period of Original Manufacture:</b>	1968 - 1973		
<b>Motorsport Australia Historic Group:</b>	Nc		
<b>Date of issue of this document:</b>	20 Jan 2017		



<b>Update Log</b>	

Refer to Motorsport Australia Manual, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc Regulations for permitted modifications.

## SECTION 1 - CHASSIS

<b>1.1 CHASSIS FRAME</b>	
<b>Description:</b>	Uni Body of pressed & welded sheet metal
<b>Period of Manufacture:</b>	1968 to 1972
<b>Manufacturer:</b>	Nissan / Datsun
<b>Chassis no. from:</b>	P510 – 000011
<b>Chassis no. location:</b>	Front bulkhead/firewall
<b>Material:</b>	Steel
<b>Comment:</b>	None

<b>1.2 FRONT SUSPENSION</b>			
<b>Description:</b>	Independent – McPherson Strut		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	Fitted	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Std	<b>Method:</b>	Caster, Camber, toe & spring height
<b>Comment:</b>	None		

<b>1.3 REAR SUSPENSION</b>			
<b>Description:</b>	Independent – Semi-trailing arm		
<b>Spring medium:</b>	Coil		
<b>Damper type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	None		
<b>Suspension adjustable:</b>	Std	<b>Method:</b>	Caster, Camber, toe & spring height
<b>Comment:</b>	None		

<b>1.4 STEERING</b>			
<b>Type:</b>	Recirculating ball	<b>Make:</b>	Nissan / Datsun
<b>Comment:</b>	None		

<b>1.5 BRAKES</b>			
	<b>Front</b>	<b>Rear</b>	
<b>Type:</b>	Disc, solid	Drum	
<b>Dimensions:</b>	232 x 10 mm	228 x 40 mm	
<b>Material:</b>	Cast iron	Cast iron	
<b>No. cylinders/pots per wheel:</b>	One	One	
<b>Actuation:</b>	Hydraulic	Hydraulic	
<b>Caliper Make:</b>	Akebono		
<b>Caliper Type:</b>	Sliding		
<b>Caliper Material:</b>	Cast iron		
<b>Master cylinder make:</b>	Nissan	<b>Type:</b>	Tandem
<b>Adjustable bias:</b>	No		
<b>Servo Fitted:</b>	Yes		
<b>Comment:</b>	None		

## SECTION 2 - ENGINE

<b>2.1 ENGINE</b>			
<b>Make:</b>	Nissan		
<b>Model:</b>	L16		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In line
<b>Cylinder block material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	83.0 mm	<b>Max. allowed:</b>	84.5 mm
<b>Stroke - original:</b>	73.66 mm	<b>Max. allowed:</b>	73.66 mm
<b>Capacity - original:</b>	1594 cc	<b>Max. allowed:</b>	1652 cc
<b>Cooling method:</b>	Liquid		
<b>Identifying marks:</b>	N/A		
<b>Comment:</b>	None		

<b>2.2 CYLINDER HEAD</b>					
<b>Make:</b>	Nissan				
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b>	One	<b>Exhaust:</b>	One
<b>No. of ports total:</b>	Eight	<b>Inlet:</b>	Four	<b>Exhaust:</b>	Four
<b>No. of camshafts:</b>	One	<b>Location:</b>	Head	<b>Drive:</b>	Chain
<b>Valve actuation:</b>	Finger				
<b>Spark plugs/cylinder:</b>	One				
<b>Identifying marks:</b>	N/A				
<b>Comment:</b>	None				

<b>2.3 LUBRICATION</b>			
<b>Method:</b>	Wet sump		
<b>Oil cooler standard:</b>	No		
<b>Comment:</b>	None		

<b>2.4 IGNITION SYSTEM</b>	
<b>Type:</b>	Points, coil & distributor
<b>Make:</b>	Hitachi or Lucas
<b>Comment:</b>	None

<b>2.5 FUEL SYSTEM</b>			
<b>Carburettor Make:</b>	Hitachi	<b>Model:</b>	DAF328, HJL38W for SSS model
<b>Carburettor number:</b>	One Two for SSS	<b>Size:</b>	28/32 mm 38 mm for SSS
<b>Comment:</b>			

### SECTION 3 - TRANSMISSION

<b>3.1 CLUTCH</b>			
<b>Make:</b>	Various		
<b>Type:</b>	Diaphragm		
<b>Diameter:</b>	200 mm	<b>No. of Plates:</b>	One
<b>Actuation:</b>	Hydraulic		
<b>Comment:</b>			

<b>3.2 TRANSMISSION</b>			
<b>Type:</b>	Synchromesh		
<b>Make:</b>	Nissan		
<b>No. forward speeds:</b>	Four, SSS has five	<b>Gearbox location:</b>	Behind engine
<b>Gear change type and location:</b>	Floor – remote		
<b>Case material:</b>	Aluminium		
<b>Comment:</b>	Five speed gearbox from a Datsun Sport 2000 SR311 (standard H pattern or dog leg first gear position) up to 1969 chassis number 030001 is the accepted unit for SSS (Bell housing change required)		

<b>3.3 FINAL DRIVE</b>			
<b>Make:</b>	Nissan	<b>Model:</b>	R180
<b>Type:</b>	Sprung unit		
<b>Wheel drive method:</b>	Rear		
<b>Ratios:</b>	Various		
<b>Differential type:</b>	Free / open		
<b>Comment:</b>	None		

<b>3.4 TRANSMISSION SHAFTS (EXPOSED)</b>	
<b>Number:</b>	Three
<b>Description:</b>	One open tail shaft, two halfshafts with twin Hooke's joints
<b>Comment:</b>	None

<b>3.5 WHEELS &amp; TYRES</b>			
<b>Wheel type - Original:</b>	Pressed disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Cast	<b>Allowed:</b>	Aluminium alloy
<b>Fixture method:</b>	Nuts	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4 x 13 inch		4 x 13 inch
<b>Allowed:</b>	7 x 13 inch		7 x 13 inch
<b>Tyres original:</b>	165 – 13		165 – 13
<b>Tyres allowed:</b>	60% minimum aspect ratio, refer approved tyre list.		
<b>Comment:</b>	None		

## SECTION 4 - GENERAL

<b>4.1 FUEL SYSTEM</b>			
<b>Tank Location:</b>	Boot area	<b>Capacity:</b>	46 litres
<b>Fuel pump type and location:</b>	Mechanical / engine	<b>Make:</b>	Various
<b>Comment:</b>	None		

<b>4.2 ELECTRICAL SYSTEM</b>			
<b>Voltage:</b>	12	<b>Alternator:</b>	Fitted
<b>Battery Location:</b>	Engine bay		
<b>Comment:</b>	None		

<b>4.3 BODYWORK</b>			
<b>Type:</b>	Four door	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Four
<b>Comment:</b>	SSS vehicles to be compliant to SSS specification. External emblems & internal trim to be correct.		

<b>4.4 DIMENSIONS</b>			
<b>Track - Front:</b>	1280 mm	<b>Rear:</b>	1280 mm
<b>Wheelbase:</b>	2420 mm	<b>Overall length:</b>	4070 mm
<b>Dry weight:</b>	875 kg		
<b>Comment:</b>	None		

<b>4.5 SAFETY EQUIPMENT</b>			
<i>Refer applicable Group Regulations</i>			